

L Number	Hits	Search Text	DB	Time stamp
1	0	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and schema and class and (objects! near9 directory) and x.500 and search\$3 and query and ((view\$3 or present\$3 or display\$3) near5 directory) and interca\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:30
2	5	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and schema and class and (objects! near9 directory) and x.500 and search\$3 and query and ((view\$3 or present\$3 or display\$3) near5 directory) and interfac\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:34
3	164	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:35
4	0	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (search\$3 and quer\$5) near6 (interfac\$3 and directory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:36
5	24	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (search\$3 or quer\$5) near6 (interfac\$3 and directory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:53
6	10	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3) near6 (interfac\$3 and directory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:52
7	3	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (search\$3 or quer\$5) near6 (interfac\$3 and directory)) and ((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3) near6 (interfac\$3 and directory))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:38
8	3	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (search\$3 or quer\$5) near6 (interfac\$3 and directory)) and ((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3) near6 (interfac\$3 and directory)) and (category or variety or types!) and (class or object or attribute)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:40
9	1	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (search\$3 or quer\$5) near6 (interfac\$3 and directory)) and ((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3) near6 (interfac\$3 and directory)) and (category or variety or types!) and (class or object or attribute)) and Java adj class	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:43
10	1	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (search\$3 or quer\$5) near6 (interfac\$3 and directory)) and ((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3) near6 (interfac\$3 and directory)) and (category or variety or types!) and (class or object or attribute)) and Java and html	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:41
11	2	((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (search\$3 or quer\$5) near6 (interfac\$3 and directory)) and ((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3) near6 (interfac\$3 and directory)) and (category or variety or types!) and (class or object or attribute)) and html and web	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:55

12	9	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3) near6 (interfac\$3 and directory)) and html and web	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:42
13	5	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3) near2 (interfac\$3 and directory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:42
14	5	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3) near2 (interfac\$3 and directory)) and html and web	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:42
15	35	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and Java adj class	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:55
16	12	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and Java adj class) and 707/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:46
17	9	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and schema same instant\$6 same class same object	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:46
18	8	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and schema same instant\$6 same class same object same directory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:48
19	4	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and schema same instant\$6 same class same object same directory) and (object adj oriented) near3 programm\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:49
20	0	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and schema same instant\$6 same class same object same directory) and (((object adj oriented) near3 programm\$4) near9 class)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:49
21	4	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and schema same instant\$6 same class same object same directory) and (((object adj oriented) near3 programm\$4) same class)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:52
22	2	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and schema same instant\$6 same class same object same directory) and (((object adj oriented) near3 programm\$4) same class)) and x.500	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:52
23	13	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3 near2 directory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:53
24	1	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3 near2 directory)) and (search\$3 or quer\$5) near3 (interfac\$3 and directory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:53

25	8	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3 near2 directory)) and (search\$3 or quer\$5) near3 directory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:53
26	5	(((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3 near2 directory)) and (search\$3 or quer\$5) near3 directory) and interfac\$3 near (user or application or graphic\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:54
28	0	((((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3 near2 directory)) and (search\$3 or quer\$5) near3 directory) and interfac\$3 near (user or application or graphic\$4)) and html and web) and Java adj class	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:55
27	4	((((lightweight\$2 adj directory adj access adj protocol) or LDAP) and classes! and (objects! near9 directory)) and (view\$3 near2 directory)) and (search\$3 or quer\$5) near3 directory) and interfac\$3 near (user or application or graphic\$4)) and html and web	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/26 06:55



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(12) **United States Patent**
Schneck et al.

(10) Patent No.: **US 6,195,666 B1**
(45) Date of Patent: **Feb. 27, 2001**

(54) **WEB INTERFACE AND METHOD FOR
DISPLAYING DIRECTORY INFORMATION**

(75) Inventors: **David H. Schneck**, Malvern; **Steve
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David Goodman, Edinburgh (GB)

(73) Assignee: **International Business Machines
Corporation**, Armonk, NY (US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **08/990,246**

(22) Filed: **Dec. 15, 1997**

(51) Int. Cl.⁷ **G06F 17/21**

(52) U.S. Cl. **707/513; 707/10; 707/102;
713/201**

(58) Field of Search **707/512, 513,
707/514, 515, 516, 517, 102, 501, 10; 345/501,
502, 503, 505, 506, 507; 709/223-226;
713/200-201**

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(57) **ABSTRACT**

A Web interface and method for displaying directory infor-
mation are disclosed. The Web interface for displaying
directory information comprises mapping means (212) for
linking directory data to a template file (214), the template
file (214) including predetermined criteria for controlling
display of the directory data; and, publishing means for
displaying the directory data according to the predetermined
criteria. A method for displaying directory information in
accordance with the invention comprises three steps. These
steps are: retrieving directory data responsive to an infor-
mation request (302); correlating the directory data with a
template file to create a response, the template file including
predetermined criteria for controlling the display of the
directory data (304); and publishing the response according
to the predetermined criteria (308).

22 Claims, 24 Drawing Sheets

